IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Best et al.**

Serial No.: **10/042,095**

Filed: **January 07, 2002**

For: **FDA Password Management Tool**

§ Group Art Unit: **3621**

§ Examiner: **Worjloh, Jalatee**

§ Attorney Docket No.: **AUS920010598US1**

§

35525
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By: Carrie Parker
Carrie Parker

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- Appeal Brief (37 C.F.R. 41.37)

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To: Commissioner for Patents for **Examiner Jalatee Worjloh** **Group Art Unit 3621**	Facsimile No.: **571/273-8300**
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- Transmittal Document; and
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Re: Application No. **10/042,095**
Attorney Docket No: **AUS920010598US1**

Date: Tuesday, January 10, 2006

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Docket No. AUS920010598US1 *PATENT*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Best et al.**	§	
	§	Group Art Unit: **3621**
Serial No. **10/042,095**	§	
	§	Examiner: **Worjloh, Jalatee**
Filed: **January 7, 2002**	§	
	§	
For: **PDA Password Management Tool**	§	
	§	
	§	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPEAL BRIEF (37 C.F.R. 41.37)

This brief is in furtherance of the Notice of Appeal, filed in this case on November 10, 2005.

The fees required under § 41.20(B)(2), and any required petition for extension of time for filing this brief and fees therefore, are dealt with in the accompanying TRANSMITTAL OF APPEAL BRIEF.

REAL PARTY IN INTEREST

The real party in interest in this appeal is the following party: International Business Machines Corporation.

RELATED APPEALS AND INTERFERENCES

With respect to other appeals or interferences that will directly affect, or be directly affected by, or have a bearing on the Board's decision in the pending appeal, there are no such appeals or interferences.

STATUS OF CLAIMS

A. TOTAL NUMBER OF CLAIMS IN APPLICATION

Claims in the application are: 1-28

B. STATUS OF ALL THE CLAIMS IN APPLICATION

1. Claims canceled: 5, 8-13, 18, 21-26, and 28
2. Claims withdrawn from consideration but not canceled: NONE
3. Claims pending: 1-4, 6-7, 14-17, 19-20, and 27
4. Claims allowed: NONE
5. Claims rejected: 1-4, 6-7, 14-17, 19-20, and 27
6. Claims objected to: NONE

C. CLAIMS ON APPEAL

The claims on appeal are: 1-4, 6-7, 14-17, 19-20, and 27

STATUS OF AMENDMENTS

No amendments were made after the Final Office Action dated August 30, 2005.

SUMMARY OF CLAIMED SUBJECT MATTER

A. CLAIM 1 - INDEPENDENT

The subject matter of claim 1 is directed to a method for authenticating a user, comprising: presenting at least one authentication information field (**616, 618**) for accessing a terminal (**112, 200, 300, 410**) (see *Specification*, page 11, lines 18-22 and page 12, lines 14-20); receiving mobile input including authentication information (**458, 500**) from a mobile device (**120, 450**), wherein a keyboard device driver (**424**) on the terminal is configured to receive user input from a keyboard and to receive the mobile input from a mobile device interface (**422**), and wherein the mobile input is encrypted (see *Specification*, page 7, lines 24-31; and page 13, lines 17-28); converting the mobile input to keyboard input, wherein the keyboard device driver decrypts the mobile input (see *Specification*, page 14, lines 15-21 and page 15, lines 7-10); and entering the keyboard input into the at least one authentication information field (**666, 668**) to access the terminal (see *Specification*, page 13, line 17-28; and page 14, line 15 through page 15, line 10).

B. CLAIM 14 - INDEPENDENT

The subject matter of claim 14 is directed to a terminal authenticating a user, comprising: a display interface (**416**); a mobile device interface (**422**); and a controller (**412**), coupled to the display interface and the mobile interface, wherein the controller presents at least one authentication information field (**616, 618**) for accessing a terminal (**112, 200, 300, 410**) (see *Specification*, page 11, line 18 through page 12, line 20); receives mobile input including authentication information (**458, 500**) from a mobile device (**120, 450**), wherein a keyboard device driver (**424**) on the terminal is configured to receive user input from a keyboard and to receive the mobile input from a mobile device interface (**422**), and wherein the mobile input is encrypted (see *Specification*, page 7, lines 24-31; and page 13, lines 17-28); converts the mobile input to keyboard input, wherein the keyboard device driver decrypts the mobile input (see *Specification*, page 14, lines 15-21 and page 15, lines 7-10); and enters the keyboard input into the at least one authentication information field (**666, 668**) to access the terminal (see *Specification*, page 13, line 17-28; and page 14, line 15 through page 15, line 10).

C. CLAIM 27 - INDEPENDENT

The subject matter of claim 27 is directed to a computer program product in a computer readable medium for authenticating a user. The computer program product provides instructions for presenting at least one authentication information field (**616, 618**) for accessing a terminal (**112, 200, 300, 410**) (see *Specification*, page 11, lines 18-22 and page 12, lines 14-20). The computer program product provides instructions for receiving mobile input including authentication information (**458, 500**) from a mobile device (**120, 450**), wherein a keyboard device driver (**424**) on the terminal is configured to receive user input from a keyboard and to receive the mobile input from a mobile device interface (**422**), and wherein the mobile input is encrypted (see *Specification*, page 7, lines 24-31; and page 13, lines 17-28). The computer program product provides instructions for converting the mobile input to keyboard input, wherein the keyboard device driver decrypts the mobile input (see *Specification*, page 14, lines 15-21 and page 15, lines 7-10). The computer program product provides instructions for entering the keyboard input into the at least one authentication information field (**666, 668**) to access the terminal (see *Specification*, page 13, line 17-28; and page 14, line 15 through page 15, line 10).

D. CLAIM 16 - DEPENDENT

The subject matter of claim 16, which depends from claim 14, is directed to the terminal of claim 14, wherein the mobile device interface comprises an infrared interface (see *Specification*, page 13, line 29 through page 14, line 10).

GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

A. GROUND OF REJECTION 1 (Claims 1-4, 6-7, 14-15, 17, 19-20, and 27)

The Final Office Action rejects claims 1-7, 14, 15, 17, 19, 20 and 27 under 103(a) as being allegedly unpatentable over *Shmueli et al.* (US Publication Number 2002/0147653) in view of *Chang et al.* (US Patent Number 6,101,562). Claim 5 has been previously canceled.

B. GROUND OF REJECTION 2 (Claim 16)

The Final Office Action rejects claim 16 under 103(a) as being allegedly unpatentable over *Shmueli et al.* (US Publication Number 2002/0147653).

ARGUMENT

A. GROUND OF REJECTION 1 (Claims 1-4, 6-7, 14-15, 17, 19-20, and 27)

The Final Office Action rejects claims 1-7, 14, 15, 17, 19, 20 and 27 under 103(a) as being allegedly unpatentable over *Shmueli et al.* (US Publication Number 2002/0147653), hereinafter referred to as *Shmueli*, in view of *Chang et al.* (US Patent Number 6,101,562), hereinafter referred to as *Chang*. Claim 5 has been previously canceled. This rejection is respectfully traversed.

A.1. Claims 1-4, 6-7, 14-15, 17, 19-20, and 27

As to independent claims 1, 14, and 27, the Final Office Action states:

> Referring to claim 1, *Shmueli et al.* disclose presenting at least one authentication information field (i.e. user authentication interface) for accessing a resource (see paragraphs [0043] and [0035] – the authentication routine will provide a user authentication interface requiring a password, login information, or biometric indicia), receiving mobile input including authentication information from a mobile device (i.e. "the key" may be a PDA/mobile terminal, see paragraphs [0031]), (see paragraphs [0043], [0035] – the authentication routine, which is running on the host will receive the authentication indicia from the user), wherein the mobile input is encrypted (see paragraph [0043] – Once entered, the keylet will confirm or deny the user name and password entered by the user with information stored, and preferably encrypted, on the key), and decrypting the mobile input (see paragraph [0062] – the web servlet is configured to interact with the keylet to provide processing of the account information, and perhaps, decryption of the encrypted information.) *Shmueli et al.* do not expressly disclose the step wherein a keyboard device driver on the terminal is configured to receive user input from a keyboard and to receive the mobile input from a mobile device interface, converting the mobile input to keyboard input and entering the keyboard input into the at least one authentication information field to access the terminal. *Chang et al.* disclosed the step wherein a keyboard device driver on the terminal is configured to receive user input from a keyboard and to receive the mobile input from a mobile device interface, converting the mobile input to keyboard input and entering the keyboard input into the at least one field to access the terminal (see col. 1, lines 51-57). A field is a space allocated for particular information; notice in *Chang et al.*, "the PC treats those characters from the PDA device as the keyboard, and displays them on PC screen later for editing or storing". The Examiner thereby interprets the screen/space as a field, which may display any type of information including "at least one authentication information". At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to modify the method disclose by *Shmueli et al.* to include the step wherein a keyboard device driver on the terminal is configured to receive user input from a keyboard and to receive the mobile input from a mobile device interface, converting the

mobile input to keyboard input and entering the keyboard input into the at least one